Hydrobiologia

The International Journal of Aquatic Sciences

Volume 502, 15 July 2003

Theme

Phytoplankton and Equilibrium Concept: The Ecology of Steady-State Assemblages

Guest Editors

L. Naselli-Flores, J. Padisák & M. T. Dokulil

List of Participants ix–x

Foreword xi–xii

From IAAP to IAP
Jørgen Kristiansen 1–2

Are there steady-state phytoplankton assemblages in the field?
Carmen Rojo, Miguel Álvarez-Cobelas 3–12

Life strategies, dominance patterns and mechanisms promoting species coexistence in phytoplankton communities along complex environmental gradients
Nico Salmaso 13–36

Phytoplankton assemblage at equilibrium in large and deep subalpine lakes: a case study from Lago Maggiore (N. Italy)
Giuseppe Morabito, Alessandro Oggioni, Pierisa Panzani 37–48

Steady state phytoplankton in a deep pre-alpine lake: species and pigments of epilimnetic *versus* metalimnetic assemblages
Katrin Teubner, Monica Tolotti, Sonja Greisberger, Heike Morscheid, Martin T. Dokulil, Harald Morscheid 49–64

Steady state phytoplankton assemblages during thermal stratification in deep alpine lakes. Do they occur?
Martin T. Dokulil, Katrin Teubner 65–72

The Effect of perturbations on phytoplankton assemblages in a deep reservoir (Vouglans, France)
M. Leitão, S.M. Morata, S. Rodriguez, J.P. Vergon 73–83

Factors influencing the phytoplankton steady state assemblages in a drinking-water reservoir (Ömerli reservoir, Istanbul)
Meriç Albay, Reyhan Akçaalan 85–95

Steady-state assemblages of phytoplankton in four temperate lakes (NE U.S.A.)
Vera Huszar, Carla Kruk, Nina Caraco 97–109

Phytoplankton assemblages and steady state in deep and shallow eutrophic lakes – an approach to differentiate the habitat properties of Oscillatoriales
Brigitte Nixdorf, Ute Mischke, Jacqueline Rücker 111–121

Equilibrium phase conditions in shallow German lakes: How Cyanoprokaryota species establish a steady state phase in late summer
Ute Mischke, Brigitte Nixdorf 123–132

Steady-state assemblages in a Mediterranean hypertrophic reservoir. The role of *Microcystis* ecomorphological variability in maintaining an apparent equilibrium
Luigi Naselli-Flores, Rossella Barone 133–143

Algal assemblage types of bog-lakes in Hungary and their relation to water chemistry, hydrological conditions and habitat diversity
Gábor Borics, Béla Tóthmérész, István Grigorszky, Judit Padisák, Gábor Várbíró, Sándor Szabó 145–155

Dominant species, functional assemblages and frequency of equilibrium phases in late summer phytoplankton assemblages in Hungarian small shallow lakes
Judit Padisák, Gábor Borics, Gizella Fehér, István Grigorszky, Imre Oldal, Antal Schmidt, Zsuzsa Zámbóné-Doma 157–168

Steady-state phytoplankton assemblages in shallow Bulgarian wetlands
Maya P. Stoyneva 169–176

Controlling factors of phytoplankton assemblages in wetlands: an experimental approach
Elizabeth Ortega-Mayagoitia, Carmen Rojo, María A. Rodrigo 177–186

Steady state of phytoplankton assemblage in the tropical Lake Catemaco (Mexico)
Jaroslava Komárková, Rosaluz Tavera 187–196

Do steady state assemblages occur in shallow lentic environments from wetlands?
Inés O'Farrell, Rodrigo Sinistro, Irina Izaguirre, Fernando Unrein 197–209

The role of physical stability on the establishment of steady states in the phytoplankton community of two Maritime Antarctic lakes
Luz Allende, Irina Izaguirre 211–224

A companion to the identification of cryptomonad flagellates (Cryptophyceae = Cryptomonadea)
Gianfranco Novarino 225–270

Taxonomic notes on some freshwater planktonic Cryptophyceae based on light microscopy
Pavel Javornický 271–283

Ecological and taxonomic observations on the flagellate algae characterising four years of enclosure experiments in Lake Tovel (Southern Alps)
Massimiliano Tardio, Monica Tolotti, Gianfranco Novarino, Marco Cantonati 285–296

How diverse are planktonic cryptomonads in Brazil? Advantages and difficulties of a taxonomic-biogeographical approach
Mariângela Menezes, Gianfranco Novarino 297–306

Occurrence of Cryptophyceae and katablepharids in boreal lakes
Liisa Lepistö, Anna-Liisa Holopainen 307–314

Dominance patterns of planktonic algae in Swedish forest lakes
Eva Willén 315–324

Distribution and seasonal dynamics of Cryptomonads in Sicilian water bodies
Rossella Barone, Luigi Naselli-Flores 325–329

Flagellate algae (Chrysophyceae, Dinophyceae, Cryptophyceae) in 48 high mountain lakes of the Northern and Southern slope of the Eastern Alps: biodiversity, taxa distribution and their driving variables
Monica Tolotti, Hansjörg Thies, Marco Cantonati, Claude M. E. Hansen, Bertha Thaler 331–348

Redefinition of *Peridinium lomnickii* Wołoszynska (Dinophyta) by scanning electronmicroscopical survey
István Grigorszky, Lothar Krienitz, Judit Padisák, Gábor Borics, Gábor Vasas 349–355

Long-term trends in species composition and diurnal migration of dinoflagellates in Lake Tovel (Trentino, Italy)
Giovanna Flaim, Eugen Rott, Flavio Corradini, Giambattista Toller, Basilio Borghi 357–366

Planktic oscillatorialean cyanoprokaryotes (short review according to combined phenotype and molecular aspects)
Jiří Komárek 367–382

A new planktic species of *Pseudanabaena* (Cyanoprokaryota, Oscillatoriales) from North American large lakes
Hedy J. Kling, Susan Watson 383–388

Estimation of minimum sedimentary inoculum (akinete) pool of *Cylindrospermopsis raciborskii*: a morphology and life-cycle based method
Judit Padisák 389–394

Equilibrium/steady-state concept in phytoplankton ecology
Luigi Naselli-Flores, Judit Padisák, Martin T. Dokulil, Ingrid Chorus 395–403

Electronic journals at
KluwerOnline
WWW.KLUWERONLINE.NL
Contact your librarian for more information